

IN THE CLAIMS

1. (currently amended) An image processing apparatus, comprising:

an extraction unit operable to extract digital image data of a selected program;

an acquisition unit operable to acquire ~~image encoded information~~ video encoding parameters associated with the extracted digital image data of the selected program ~~extracted by the extraction unit~~; and

A' cont'd  
a setting unit operable to set at least one image signal processing parameter in accordance with the video encoding parameters, the at least one image signal processing parameter being used ~~for~~ to control processing of an image signal of the selected program in accordance with the image encoded information ~~to~~ thereby control image quality of the selected program.

2. (currently amended) The image processing apparatus according to claim 1, wherein:

the extraction unit extracts the digital image data of the selected program from a transport stream; and

the acquisition unit acquires the video encoding parameters ~~image encoded information~~ from service information included in the transport stream.

3. (currently amended) The image processing apparatus according to claim 1, further comprising a storage device operable to store the at least one image signal processing parameter and to supply the at least one image signal processing parameter to the setting unit.

4. (currently amended) The image processing apparatus according to claim 3, further comprising a changing unit operable to change ~~means for changing~~ the at least one image signal processing parameter on the basis of an input from a user.

5. (currently amended) The image processing apparatus according to claim 1, further comprising a processor operable to process the image signal of the selected program in accordance with the at least one image signal processing parameter set by the setting unit.

6. (original) The image processing apparatus according to claim 1, further comprising a display operable to display the image signal of the selected program after processing.

7. (currently amended) The image processing apparatus according to claim 6, wherein the display is controlled in accordance with the video encoding parameters~~image encoded information~~.

*A' cont'd*  
8. (currently amended) An image processing method, comprising:

extracting digital image data of a selected program;  
acquiring ~~image encoded information~~ video encoding parameters associated with the extracted digital image data of the selected program~~extracted in the extracting step~~; and  
setting at least one image signal processing parameter in accordance with the video encoding parameters, the at least one image signal processing parameter being used for to control processing of an image signal of the selected program in accordance with the image encoded information to thereby control image quality of the selected program.

9. (currently amended) The image processing method according to claim 8, wherein:

the extracting step extracts the digital image data of the selected program from a transport stream; and

the acquiring step acquires the ~~image encoded information~~ video encoding parameters from service information included in the transport stream.

10. (currently amended) The image processing method according to claim 8, further comprising storing the at least one image signal processing parameters and supplying the at least one image signal processing parameter.

11. (currently amended) The image processing method according to claim 10, further comprising changing the at least one image signal processing parameter on the basis of an input from a user.

12. (currently amended) The image processing method according to claim 8, further comprising processing the image signal of the selected program in accordance with the ~~set~~ at least one image signal processing parameter.

*A' could*  
13. (original) The image processing method according to claim 12, further comprising displaying the processed image signal of the selected program.

14. (currently amended) The image processing method according to claim 13, wherein the step of displaying the processed image signal of the selected program is controlled in accordance with the video encoding parameters ~~image encoded information~~.

15. (currently amended) A recording medium recorded with a computer readable program for processing images, the program comprising:

extracting digital image data of a selected program;

acquiring ~~image encoded information~~ video encoding parameters associated with the extracted digital image data of the selected program ~~extracted in the extracting step~~; and

setting at least one image signal processing parameter in accordance with the video encoding parameters, the at least one image signal processing parameter being used ~~for to control~~ processing of an image signal of the selected program ~~in accordance with the image encoded information~~ to thereby control image quality of the selected program.

16. (new) The image processing apparatus according to claim 1, wherein the video encoding parameters are selected from the group consisting of profile/level designation, number of horizontal pixels, number of vertical lines, aspect ratio, bit rate, frame rate, color initial value, conversion characteristic, matrix coefficient, and repeat first flag.

17. (new) The image processing apparatus according to claim 1, wherein the setting unit is operable to set the at least one image signal processing parameter to control at least one display setting selected from the group consisting of noise reduction, beam velocity modulation, and gamma correction.

*A1 contd*  
18. (new) The image processing apparatus according to claim 4, wherein the storage device is operable to store the changed image signal processing parameter.

19. (new) The image processing method according to claim 8, wherein the video encoding parameters are selected from the group consisting of profile/level designation, number of horizontal pixels, number of vertical lines, aspect ratio, bit rate, frame rate, color initial value, conversion characteristic, matrix coefficient, and repeat first flag.

20. (new) The image processing method according to claim 8, wherein the setting step sets the at least one image signal processing parameter to control at least one display setting selected from the group consisting of noise reduction, beam velocity modulation, and gamma correction.

21. (new) The image processing method according to claim 11, further comprising storing the changed image signal processing parameter.

22. (new) The recording medium according to claim 15, wherein the video encoding parameters are selected from the group consisting of profile/level designation, number of horizontal pixels, number of vertical lines, aspect ratio, bit

rate, frame rate, color initial value, conversion characteristic, matrix coefficient, and repeat first flag.

*A' cancel*  
23. (new) The recording medium according to claim 15, wherein the setting step sets the at least one image signal processing parameter to control at least one display setting selected from the group consisting of noise reduction, beam velocity modulation, and gamma correction.

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